



Newsletter
October, 2022

The vision for BATTERY 2030+ is to invent the batteries of the future, providing European industry with disruptive technologies and a competitive edge across the full value chain, that will enable Europe to take the lead in battery science and technology.

This newsletter gives you an update on what's going on within the initiative. Enjoy your reading!



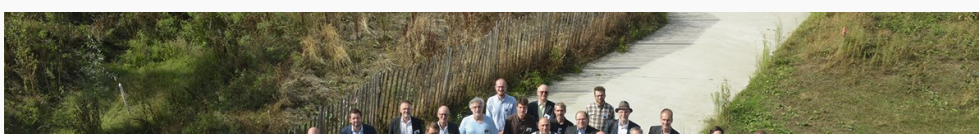
A moment with Kristina Edström, Coordinator of BATTERY 2030+

What an exciting start after the summer break! Battery 2030+ has had its annual meeting. All the six R&I projects: Big-Map, Instabat, Sensibat, Spartacus, Bat4Ever and Hidden presented their latest highlights and we felt very welcomed to Vrije University of Brussels (VUB). The young scientist manifesto was presented and the first copy handed over to our program officer Mr Aymard de Touzalin from DG CNECT.

If you want to read this manifesto and also follow our excellence seminars, you can find information on our webpage. The next Battery 2030+ Excellence Seminar will be on October 27th and given by Dr. Margret Wohlfarht-Mehrens from ZSW in Germany.

Battery 2030+ co-organised and took part in the Battery Innovation Days (BID) together with the other European battery organisations: BEPA (Batt4EU), IPCEIs and Batteries Europe. We had two great days in Brussels with discussions about battery passport, raw materials, solid state batteries, novel battery chemistries, etc. You can find the recordings from BID [here..](#)

Later this autumn you can meet us at the [Batteries Event](#) in Lyon and at the [Norbatt](#) conference in Gothenburg. It is great that we now can interact eye to eye again to exchange battery news and ideas.





BATTERY 2030+ Annual conference, empowering green innovation!

A big thank you to everyone that came to Brussels and joined us for our annual conference on September 12th. Our projects enjoyed to be able to share their progress in person and they were also sharing interesting presentations and panel discussions together with industry. The conference included a panel discussion with BEPA, Batteries Europe and EBA 250 about The future of BATTERY 2030+ in the European Eco-system, moderator for the annual conference was Philippe Jacques who did a fantastic job with keeping the audience engaged. We had an excellent presentation of the "BATTERY 2030+ Young Student Manifesto" from Maria Arnaiz and Leiting Zhang who participated in the "Young Scientist Event" where composing this manifesto was one of the goals. Our guest speaker Professor Martin Winter educated us on "The strength of electrochemistry in understanding batteries" this section was a real crowd pleaser. Our program officer Aymard de Touzalin from the European commission summed up our annual conference. Overall a successful day and we were happy to meet each other in person again.

We would also like to express our deepest gratitude to V.U.B. (Vrije Universiteit Brussel), Maitane Berecibar and Annick Hubin for hosting us at their fantastic University.



Onboarding the wider European battery landscape

The battery landscape is moving rapidly in the eastern parts of Europe, particularly industrial investments are on the go. This became very clear at Battery 2030+ 's regional meeting for eastern Europe held in conjunction with the ABAF conference in Brno, Czech Republic, at the end of August.

Many investors are from Asia, but the factories established tend to be rather closed, and don't reach out to the scientists in the region. So, one conclusion at the meeting was that the countries in eastern Europe need to grow network with BEPA (Batteries Europe Partner Alliance), Battery 2030+, Batteries Europe and alike.

-My ambition for the regional meeting for Battery 2030+ is that it will serve as a catalyst, Kristina Edström, coordinator of the Battery 2030+ initiative said. One immediate outcome was that the Czech and Hungarian battery associations decided to start interact and discuss common concerns.

The meeting debated tech education, upskilling, reskilling, talent attraction and how to develop a more effective cooperation between scientists, the private sector, trade groups, public sector, and ministries. There is a need to increase young people's interest to study electro chemistries, and to support small and midsize companies (SMEs) to upscale.

Czech Republic: The acceptance and government support for electromobility is growing in the Czech Republic, Ira Saul Rubenstein, chief catalyst for the Czech Battery Cluster, told us. A broad landscape is evolving, a number of stakeholders are connected to automotive. A giga factory is not yet in place, but seen an opportunity. The Czech Republic also has minerals and raw materials fit for Li-ion batteries that could be mined. The capability to go into recycling is furthermore considered as good.

Hungary: Foreign investments for different parts in the battery value chain are flooding in to Hungary, Robert Kun, Senior Research Scientist at Research Centre for Natural Sciences in Budapest, told us. Samsung already has a large factory in Göd and CATL SK Innovation builds a large plant for batteries. By 2025 Hungary will have a battery cell manufacturing capacity of 150 GWh. Hungarian Battery Association was newly formed with members from government, and about 55 companies operating in the battery value chain like Samsung, Bosch, Porsche, and Solv Electric.

Poland: Poland is a large vehicle manufacturer, annually about 12 million cars and buses are being produced, so far mainly fossil driven. Poland has however a long tradition of making batteries, and a Consortium of Electrochemical Energy Storage to facilitate the transfer of research findings to the industry. According to Grzegorz Lota, Institute of Non-Ferrous materials in Poznan University of Technology, batteries make up 2 percent of Polish exports.

Romania: Gimi A. Rimbu at Romania's Ministry of Research, Innovation and Digitization, explained that the battery landscape in Romania is small. There are not so many research actors. To support production of electrodes and batteries, assembling, testing, and recycling of batteries Romania has a Recovery and Resilience Plan. Start-ups, SMEs as well as large enterprises can apply for funding, it is 260 million Euros set aside. Romania has part of the 137 raw material on which the EU is dependent, many of them of interest for batteries.

Short about ABAF conference

The ABAF, abbreviation for Advanced Batteries, Accumulators and Fuel Cells, conference was held for the 23rd time, in Brno, Czech Republic at the end of August. It is a yearly conference arranged by Faculty of Electrical Engineering and Communication, department of electrical and electronical technology, at Brno University of Technology.

Text: Eva Regård





From left: Maciej Smoliński (WUT), Anna Szczesna-Chrzan (WUT), Sanchari Deb (U of Warwick), Maria Laura Para (Polito), Silvia Bodoardo (Polito), María Arnaiz (CIC energiGUNE), Leiting Zhang (UU), Margherita Moreno (ENEA, local organizer).

The Young Scientist Manifesto in Rome

The table leaders of the "BATTERY 2030+ Young Scientist Manifesto" together with our prominent work package leader and initiator of the young scientist event Silvia Bodoardo attended the NanoInnovation conference in Rome September 22nd. At the NanoInnovation 2022 conference, there was a special workshop on Innovation for the Energy Transition. Two sessions were dedicated to the launching of the Young Scientist Manifesto, titled "Batteries of the future: new generation of scientist sharing innovative ideas". Over 20 participants attended the sessions and participated in live discussions concerning future batteries.

You can download the manifesto [here..](#)



BATTERY INNOVATION DAYS

Battery 2030+ was one of the co-organisers of BID, Battery Innovation Days held in Brussel, and on-line, September 13-14th. At this conference researchers, industry and policy makers come together and discuss future battery technologies. The idea is to increase knowledge and encourage exchange around leading-edge technologies in battery materials, cell design, manufacturing and recycling. Kristina Edström, Ivano Castelli, Silvia Bodoardo, Simon Clark, Philippe Jacques, and Helge S. Stein, all members of the Battery 2030+ initiative were active as speakers, panellists, and/or moderators. Among the attendees were also many of us Battery 2030+-enthusiasts; listening to interesting talks and networking in between

Read our latest news

Keep up to date with the latest news from BATTERY 2030+ and other battery related topics. [Read more...](#)

Do not miss out...

Excellence Seminars Did you miss any of our Excellence seminars? Do not worry we have them recorded and transcribed on our website for you to watch [here...](#)

Batteries Event 24th edition 2022 in Lyon 18-21 of October. The Batteris event will cover all aspects of the circular economy value chain, starting from the production of the battery through raw materials, cell manufacturing, use and safety, management and applications, going through market trends, research and development, new technologies and finally closing the loop with a focus on recycling, second life and regulations. Register [here..](#)

Nordbatt 2022 gathers the Nordic-Baltic battery R&D&I community; academics, industrials and other stakeholders. Alongside plenary, invited and oral presentations we have a poster session, exhibitors, and time for informal in-person discussions. Register [here..](#)

Transport Research Arena 2022 in Lisbon 14-17 November. TRA offers a great venue for researchers, policy makers and industry representatives to get together and contribute to the discussion on how research and innovation can reshape the transport and mobility system. The conference provides a unique opportunity to hear about mobility trends in different parts of Europe, learn from achievements in industry as well as share best practices of policies and deployments. Register [here...](#)



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BATTERY 2030+ is a long-term initiative

Contact us

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enabling Europe to take the lead in battery science and technology by developing radically new concepts for the batteries of the future.

Help us achieve these ambitious goals by endorsing BATTERY 2030+ as long-term research initiative for Europe. **Read more...**

Read more about us and find [additional contact details](#) on our website:
www.battery2030.eu



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